

Question One: Multiple Choice Questions

[8 Marks]

1. _____ is an Internet service used to convert URLs to IP and vice-versa:
 - a. HTTP
 - b. WWW
 - ☒ c. DNS
 - d. TCP/IP
2. The main protocol used for sending Emails is :
 - ☒ a. SMTP
 - b. POP3
 - c. MIME
 - d. All of the above
3. A URL stands for:
 - a. Universal Repository Locator
 - ☒ b. Uniform Resource Locator
 - c. Unified Resource Language
 - d. None of the above
4. Which of the following statement is valid for the Inline SVG element in HTML5:
 - a. SVG defines vector-based graphics for the Web
 - b. SVG graphics do NOT lose any quality if they are zoomed or resized
 - ☒ c. Every element and every attribute in SVG files can be animated
 - d. All of the above
5. Which of the following CSS3 feature that can be used to provide animation like flash:
 - a. 3D Transform
 - ☒ b. @keyframes
 - c. Skew
 - d. Translate
6. Which of the following HTML 5 elements can be used to provide user authentication with the Server:
 - ☒ a. <keygen> element
 - b. Semantic Elements
 - c. <canvas> element
 - d. None of the above
7. In HTML 5, which of the following is used to provide auto complete feature using predefined list of values for input element?
 - ☒ a. datalist element
 - b. autocomplete attribute
 - c. web storage
 - d. application cache

8. The style sheet that enables you to change the appearance and layout of all the pages in your Web at once is called:
- External Style Sheet
 - Internal Style Sheet
 - Inline Style Sheet
 - All of the above

Question 2: HTTP

[7 Marks]

- HTTP stands for Hyper text protocol
- HTTP is protocol used to get Hyper text files from server.
- Below is a sample HTTP Request:

```
[XXXX] /verify.php HTTP/1.1
Host: www.abc.com
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 6.1; en-US; rv:1.9.1.5)
Gecko/20091102 Firefox/3.5.5 (.NET CLR 3.5.30729)
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 300
Connection: keep-alive
Referer: http://www.abc.com/web.php
Content-Type: application/x-www-form-urlencoded
Content-Length: [XX]
fname=Faisal&lname=Ahmad&action=Register
```

Answer the following questions:

- What is the HTTP request method? POST
- What is the server program name that will receive the above HTTP request?
verify.php
- The user request is originated from the URL called: Referer: web.php
- Calculate the Content -Length in term of bytes: 40 byte
- The request data being sent is fname = Faisal & lname = Ahmad
& action = Register

Question 3: HTML/CSS

Q2-A) Write the necessary HTML code to design the following table borders.
The border size should be 2 pixels. [6 Marks]

| | | |
|--|--|--|
| | | |
| | | |
| | | |

```
<html>
<body>
<table border="2" width="300">
  <tr>
    <td rowspan="3" width="100">
    <td width="100">
    <td rowspan="2" width="100">
  </tr>
  <tr>
    <td>
  </tr>
  <tr>
    <td colspan="2">
  </tr>
</table>
</body>
</html>
```

Q2-B) Create external style sheet that defines the following CSS instructions:

[6 Marks]

- All headers and Paragraphs should be formatted to use 16pt size, courier family type and blue text colors.
- HTML tags whose class attribute is equals to MYTYPE should have 30px margin from the left side, aligned to center, and 1cm letter spacing.

```
p, h1, h2, h3, h4, h5, h6 { font-family: Courier; color: blue; font-size: 16pt; }
.MYTYPE { margin-left: 30px; text-align: center;
           letter-spacing: 1cm; }
```

Question 3:

Using PHP scripts, answer the following questions:

- Write PHP statements to redirect the user to ABC.php if and only if his IP address starts with 192.122 or 211.132. Otherwise display a message you are not authorized to view this page.

[6 Marks]

<?php

\$IP = explode('.', \$_SERVER['REMOTE_ADDR']);

if ((\$IP[0] == 192 || \$IP[0] == 211) || (\$IP[1] == 172 || \$IP[1] == 132))

header ("location: ABC.php");

else

die ("you are not authorize to view this page");

??

2. An associative array is stored in a session called **gallery**. Each key in the array represents the picture's filename and its associative value contains a numeric array storing the width and height of the picture respectively. Display all pictures using their corresponding size (Hint: use img tag to display the pictures). Appropriate message should be displayed in case the session doesn't exist.

[6 Marks]

<?php

start_session(\$_SESSION['gallery'])

if (isset(\$_SESSION['gallery'])) die ("session doesn't exist");

else

{ extract(\$_SESSION['gallery']);

foreach (\$gallery as \$k => \$v)

echo "
";

}

??

3. Assume you have the following HTML form that contains unknown number of products:

<form method='post' action='calculate.php'>

Sony Laptop (BD 400)

<input name='qty[]' value='0' />

<input type='hidden' name='product[]' value='Sony Laptop' />

<input type='hidden' name='price[]' value='400' />

....

....

<input type='submit' value='calculate' />

</form>

Write a PHP program that receive the user order and do the following:

- Displays all orders info (Product's name, Quantity and Unit Price) with Quantity > 0 in HTML table as shown in the example below.
- Display the total price to be paid by the user

[11 Marks]

Sample Output

Your order:

| Name | Quantity | Price Per Item |
|----------------|----------|----------------|
| Sony Laptop | 400 | 2 |
| Toshiba Laptop | 300 | 3 |

Total Price is BD 1700

//

<?php

```

if (isset($_POST['qty'])) {
if (isset($_POST['qty'])) {
    $count = 0;
    extract($_POST);
    echo "<table> Your order:<br><table>";
    echo "<tr><th>Name</th><th>Quantity</th><th>Price Per Item</th></tr>";
    for ($i = 0; $i < count($Product); $i++)
    {
        if ($qty[$i] > 0)
        {
            echo "<tr>";
            echo "<td> $Product[$i]</td>";
            echo "<td> $qty[$i]</td>";
            echo "<td> $Price[$i]</td>";
            echo "</tr>";
            $count += ($qty[$i] * $Price[$i]);
        }
    }
    echo "<table>";
    echo "<br> Total Price is BD $Count ";
}

```

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